

Appl. No. 09/901,509
Reply to Final Office Action of February 9, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-22 (Canceled)

23. (currently amended) A pump mechanism for a breastpump comprising:

a motor;

a first and a second expansible chamber, each said expansible chamber having an element which is moveable relative to a base member with said element and base member being generally air sealed with respect to each other so as to form a variable volume between them and produce at least a negative pressure by movement of said element relative to said base member, with an outlet for connecting to a breastshield in communication with a respective variable volume and;

a drive train being connected to said motor and to said first and second expansible chambers to move each expansive chamber element relative to a respective base member, wherein said element is a flexible diaphragm and said base member is a rigid member to which said diaphragm is mounted and having a respective outlet formed in said rigid member, said diaphragm being movable in relation to said rigid member by the drive train, which includes an eccentric which is rotated by said motor, with a puller mounted to move with said eccentric and connected to a yoke, the diaphragms of said first and second expansible chambers being connected to said yoke, so as to expand and contract the volumes of said expansible chambers in tandem as said eccentric is rotated.

Claims 24-39 (Canceled)

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40. (Previously presented) The pump mechanism according to Claim 23 further comprising:
- a vacuum regulator device on each base member for adjusting a negative pressure generated when the element is moved away from the base member, said vacuum regulator comprising a disk-shaped rotary valve member having a generally planar inboard surface and mounted for rotational movement on said base member with said generally planar inboard surface against said base member, an aperture being formed through said valve member, and at least one hole formed through said base member in communication with said volume, said valve member having a first position wherein said aperture and said hole are aligned to place said volume in communication with atmosphere, and a second position wherein said aperture and said hole are not aligned such that the valve member closes the hole from atmosphere, said valve member adapted to be manipulated by hand to effect said rotational movement.